



TRABUCO CANYON WATER DISTRICT ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | NOVEMBER 6, 2019

DIRECTORS PRESENT

Edward Mandich, Committee Chair
Stephen Dopudja, Committee Member

STAFF PRESENT

Fernando Paludi, General Manager
Michael Perea, District Secretary
Lorrie Lausten, Principal Engineer
Gary Kessler, Water Department Superintendent
Travis Jones, Wastewater Department Chief Plant Operator
Jason Stroud, Maintenance Department Superintendent
Karen Warner, Senior Accountant
Lisa Sangi, Administrative Assistant

PUBLIC PRESENT

Fred Graylee, Hunsaker & Associates (representing William Lyon Homes)
Jennifer Ziv & Janet Fordunski - Woodward and Curran

CALL MEETING TO ORDER

Director Mandich called the November 6, 2019 Engineering/Operational Committee Meeting to order at 7:02 AM.

VISITOR PARTICIPATION

No comments were received.

ORAL COMMUNICATION

No comments were received.

COMMITTEE MEMBER COMMENTS

Director Mandich recommended moving items seven and nine to the front of the agenda.

No other comments were received.

REPORT FROM THE INTERIM GENERAL MANAGER

No comments were received.

ITEM 1: ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP

Mr. Paludi presented the recap for Committee review in accordance with the agenda.

RECOMMENDED ACTION

The Committee recommended that the Engineering/Operational Committee Meeting Recap be forwarded to the Board of Directors for approval (Consent Calendar).

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ITEM 7: DISCUSSION CONCERNING TRABUCO CANYON WATER DISTRICT'S GROUNDWATER FEASIBILITY STUDY

Ms. Lausten provided an update on the project, and she introduced Ms. Ziv and Ms. Fordunski to the Committee. Ms. Lausten briefly reviewed the DRAFT Feasibility Study (Report) with the Committee, and she highlighted certain topographical analyses incorporated in the Report. Discussion occurred concerning the geographical challenges associated with the identified soil types and potential costs associated pumping and groundwater treatment. Ms. Lausten reviewed the tasks completed to date and highlighted the proposed tasks for completion. Discussion occurred concerning the costs associated with the installation of an onsite monitoring well site. The Committee requested Woodward & Curran present additional findings at the next Committee Meeting.

RECOMMENDED ACTION

The Committee received the status update. There was no action taken.

ITEM 9: PALOMA SQUARE DEVELOPMENT (120 DUs)

Mr. Paludi presented this matter for Committee review, and he reported that the District Properties' Ad Hoc Committee met to discuss this matter. Ms. Lausten reported that District staff has procured a proposal from PSOMAS Engineering to prepare a Sub-Area Master Plan (SAMP) as requested by Hunsaker and Associates, William Lyon Homes engineering firm. Discussion occurred concerning the SAMP proposal scope of work and associated costs.

Mr. Fred Graylee addressed the Committee, and expressed concerns related to the SAMP proposal costs and scope of work. Mr. Graylee identified certain items in the scope of work which he requested District staff further review. The Committee recommended that District staff further evaluate the identified concerns and bring this matter to the following Committee Meeting.

RECOMMENDED ACTION

The Committee received the status update. There was no action taken.

ITEM 2: RIDGELINE BOOSTER PUMP STATION IMPROVEMENTS AND CAPACITY INCREASE PROJECT

Ms. Lausten provided a brief update on this project, and she reported that Pacific Hydrotech (Contractor) mobilized the prior week in preparation of the facility improvements. Discussion occurred concerning equipment procurement and fulfillment timelines.

RECOMMENDED ACTION

The Committee received the status update. There was no action taken.

ITEM 3: DOVE AND ROBINSON RANCH RECYCLED WATER PUMP STATION REHABILITATION PROJECT

Mr. Paludi commented that the project was underway and highlighted the importance of this project. Ms. Lausten provided a brief update on this project, and she reported that District staff is working with TESCO Controls and Hydrotech Electrical on the equipment and electrical improvements at this facility. Ms. Lausten reported on the recent completed improvements and project timeline for completion.

RECOMMENDED ACTION

The Committee received the status update. There was no action taken.

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ITEM 4: DISCUSSION AND POSSIBLE ACTION(S) CONCERNING THE URBAN WATER & STORMWATER RUNOFF CONVEYANCE STRUCTURE TO DOVE LAKE

Mr. Paludi presented this informational item for Committee review, and he reported that District staff has met with Trabuco Highlands Community Association (THCA) to finalize the terms of this agreement. Ms. Lausten reported that District staff has filed a Notice of Exemption consistent with District General Legal Counsel recommendation.

RECOMMENDED ACTION

The Committee received the status update. There was no action taken.

ITEM 5: DISCUSSION CONCERNING TRABUCO CANYON WATER DISTRICT'S PLANO SERVICE AREA NON-DOMESTIC WATER ALLOCATION PROGRAM

Mr. Paludi presented this matter for Committee review, and he indicated that District staff has completed research concerning this matter. Mr. Perea reviewed the Recycled Water Program adopted by the Board of Directors by resolution in 2007 which included methodologies for the allocation of reclaimed and recycled water supplies and provisions for supplemental domestic water supplies. Discussion occurred concerning the impact of the adopted methodologies with current data.

RECOMMENDED ACTION

The Committee received the information concerning the matter and recommended forwarding this matter to the Board for consideration (Action Calendar).

ITEM 6: DISCUSSION CONCERNING BELL CANYON SEWER LIFT STATION REHABILITATION PROJECT

Mr. Paludi updated the Committee on this project, and he reported that District staff had met with the homeowner adjacent to the facility. Mr. Paludi mentioned that District staff had provided the customer an update on the project timeline and facility improvement schedule. Discussion occurred concerning the condition of the temporary operations footprint and the impact of equipment procurement delays due to long lead item fulfillment. The Committee recommended that District staff remain in contact with the customer concerning the facility improvement schedule.

RECOMMENDED ACTION

The Committee received the information concerning the matter

ITEM 8: OTHER ENGINEERING AND OPERATIONS PROJECTS

1. 2019 Sewer System Management Plan (SSMP)

Mr. Perea provided a brief update on this matter, and he mentioned that the DRAFT Sewer System Management Plan 2019 Update would be presented to the Committee for consideration at the following Committee Meeting.

2. SCADA Upgrade Project – Radio Field Study and Software Evaluation

Ms. Lausten provided an update on this project, and she reported that District staff have completed the software evaluation portion of this project and would be making a recommendation to the Board at a future meeting. Ms. Lausten added that TESCO Controls had started the Radio Field Study.

3. Dove Canyon Pressure Reducing Valve (PRV) Stations

Ms. Lausten reported that this project had been completed, and she presented photographs of the repair projects. Discussion occurred concerning certain appurtenance costs and project timeline for completion. Ms. Lausten mentioned that some small value change orders will be attributed to this project.

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4. Water Loss Leak Detection Field Update

Ms. Lausten provided an update on this project which was a grant-funded opportunity through the Municipal Water District of Orange County (MWDOC). Ms. Lausten added that MWDOC contract staff were performing the leak detection in the District's service area and notifying District staff of identified leaks. Ms. Lausten reported that MWDOC had identified ten (10) leaks, in which majority were on services, on the twenty-six (26) miles of pipeline inspected to date.

5. Other Projects

Mr. Paludi provided a brief update on a proposed Irvine Ranch Water District (IRWD) Irvine Lake Water Reliability Pilot Program. Discussion occurred concerning the proposed pilot program goals and costs.

RECOMMENDED ACTION

The Committee received the status updates. No action was taken.

ITEM 10: SADDLE CREST DEVELOPMENT (65 DUs)

Ms. Lausten provided a brief update on this development, and she mentioned the development was currently on hold until Southern California Edison (SCE) provides permanent electrical power. Ms. Lausten added that District staff is currently in discussion with the developer concerning the project schedule of values.

RECOMMENDED ACTION

The Committee received the status update. There was no action taken.

ITEM 11: SADDLEBACK MEADOWS DEVELOPMENT (178 DUs)

Ms. Lausten provided a brief update on this development, and she reported that District staff has worked with Hunsaker and Associates concerning the necessity of an onsite domestic water reservoir storage tank. Discussion occurred concerning the preparation of a feasibility study to make the appropriate determination. Discussion occurred concerning the District's Harris Grade Reservoir Storage Tanks and the status of the District's existing National Forestry Services permits.

RECOMMENDED ACTION

The Committee received the status update. There was no action taken.

ITEM 12: WATER SYSTEM UPDATES

Mr. Kessler reviewed the projects and repairs for October 2019, and he provided the additional highlights:

1. Water Operations staff replaced a four-inch (4") discharge valve at the Field Office (Booster One Pump Station) in preparation for the Ridgeline Booster Pump Station Improvements and Capacity Increase Project.
2. Water Operations staff worked with contractors to replace both Pressure Regulating Valves in the Dove Canyon community (Fiscal Year 2019/2020 CIP Project).
3. Water Operations staff worked with contractors to finish the Field Office (Booster One Pump Station) rehabilitation.
4. Water Operations staff worked with TESCO Controls on the SCADA Radio Field Study.
5. Water Operations staff worked on the rehabilitation of the Dimension Water Treatment Plant storage shed.
6. Water Operations Department became the first Back to Back Chili Cookoff Champions in the history of the District's Annual Chili Cookoff Competition.

Mr. Kessler reviewed the Monthly Water System Operations Summary with the Committee.

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RECOMMENDED ACTION

The Committee received the status update. There was no action taken.

ITEM 13: WASTEWATER SYSTEM UPDATES

Mr. Jones reviewed the projects and repairs for October 2019, and he provided the additional highlights:

1. Wastewater Operations staff received, weighed, and stored new roll-off bins and trash dumpsters.
2. Wastewater Operations staff cleaned the following sanitary sewer trouble areas:
 - a. Dove Canyon Plaza
 - b. Dove Canyon Community Emergency Access Road
3. Wastewater Operations staff responded to an odor complaint and cleaned the sewer line in Portola Hills.
4. Wastewater Operations staff cleaned Via Allegre Sewer Lift Station Wet Well
5. Wastewater Operations staff completed sewer manhole root removal on Sycamore Canyon Drive in the Dove Canyon Community.
6. Wastewater Operations staff replaced an emergency exit ladder in the Sequencing Batch Reactor Dry Pit at the Wastewater Treatment Plant (WWTP).
7. Wastewater Operations staff responded to a private sewer spill at the Dollar Tree store in Trabuco Marketplace, and cordoned, cleaned, and reported in accordance with District Policy.

Mr. Jones reviewed the Monthly Wastewater System Operations Summary with the Committee.

RECOMMENDED ACTION

The Committee received the status update. There was no action taken.

ITEM 14: MAINTENANCE DEPARTMENT UPDATES

Mr. Stroud reviewed the projects and repairs for October 2019, and he provided the additional highlights:

1. Maintenance Department staff received the new Vector Truck.
2. Maintenance Department staff installed a new pump volute at Heritage Sewer Lift Station.
3. Maintenance Department staff completed an emergency repair on a second stage sewer pump at the El Toro Sewer Lift Station.
4. Maintenance Department staff worked with Water Operations staff rehabilitating the Field Office (Booster One Pump Station).
5. Maintenance Department staff installed a new waste pump in the Blower Building at the WWTP.
6. Maintenance Department staff worked with TESCO Controls to start the Radio Field Study.

RECOMMENDED ACTION

The Committee received the status update. There was no action taken.

ITEM 15: OTHER MATTERS/REPORTS

Mr. Paludi mentioned that District staff was currently working with an independent, third-party consultant to complete a comprehensive analysis of facility electrical demands to identify backup electrical power needs. Discussion occurred concerning the consideration of alternative fuel options and the impact of emissions requirements and restrictions.

RECOMMENDED ACTION

There was no action taken.

ADJOURNMENT

Director Mandich adjourned the November 6, 2019 Engineering/Operational Committee Meeting at 8:54 AM.